

EU-ON GRID

Single Phase / On-grid / 5-8 kW



Max. PV Voltage up to 600 V
DC / AC Ratio up to 1.5



Compatible for Big Capacity PV Panel
WiFi / 4G Plug Optional



Type III DC SPD / Type III AC SPD
IP65 Protection



High Efficiency up to 98.3%
Smaller and Lighter



MODEL		EU- OG/5KSF	EU- OG/8KSF
Input (DC)			
Max. DC Voltage		600V	600V
Nominal Voltage		380V	380V
Start Voltage ^{e)}		120V	100V
MPPT Voltage Range		80V ~ 560V	80V ~ 540V
Number of MPPT		2	2
Strings Per MPPT		1	1
Max. Input Current Per MPPT		15 A	26 A / 16A ¹⁾
Max. Short-circuit Current Per MPPT		18 A	31 A / 19 A
Output (AC)			
Nominal AC Output Power		5000 W ²⁾	8000W
Max. AC Apparent Power		5500V A ⁴⁾	8000VA
Nominal AC Voltage		230 VL-N	230 VL-N
AC Grid Frequency Range		50Hz / 60Hz ±5Hz	50Hz / 60Hz ±5Hz
Max. Output Current		24 A ⁶⁾	35 A
Power Factor (cosΦ)		0.8 leading - 0.8 lagging	0.8 leading - 0.8 lagging
THDi		< 3%	< 3%
Efficiency			
Max. Efficiency		98.3%	98.3%
Euro Efficiency		97.9%	97.9%
Protection devices			
DC Switch		Yes	Yes
Anti-islanding Protection		Yes	Yes
Output Over Current Protection		Yes	Yes
DC Reverse Polarity Protection		Yes	Yes
DC / AC Surge Protection		DC Type III; AC Type III	DC Type III; AC Type III
Insulation Detection		Yes	Yes
AC Short Circuit Protection		Yes	Yes
General Specifications			
Dimensions (W x H x D)		380 x 380 x 150 mm	380 x 380 x 150 mm
Weight		11 kg	13 kg
Operating Temperature Range		-25°C ~+ 60°C	-25°C ~+ 60°C
Cooling Type		Natural convection	Fan cooling
Max. Operating Altitude		≤ 4000 m	≤ 4000 m
Max. Operating Humidity		0 - 100%	0 - 100%
AC Output Terminal Type		Quick Connector	Quick Connector
IP Class		IP65	IP65
Topology		Transformerless	Transformerless
Communication		RS-485 / WIFI / 4G	RS-485 / WIFI / 4G
Display		LCD / Bluetooth + App	LCD / Bluetooth + App
Certification & Standard		EN/IEC 62109-1/2 ; IEC/EN 61000-6-2; IEC/EN 61000-6-4; IEC 61683; IEC 60068; IEC 60529; IEC 62116; IEC 61727; EN 50549-1; AS 4777.2; NRS 097; VDE-AR-N-4105; VDE 0126-1-1; CEI 0-21; G98/G99; C10/11; UNE 217001; UNE 217002; NB/T 32004-2018 ; GB/T 19964-2012; INMETR O ⁷⁾	

1) The maximum current of PV1 is 26 A. So PV1 can be expanded into two Strings by using Y-connectors.

2) Nominal AC output power is 4999 W for Australia and 4600 W for Germany and South Africa.

3) Max. AC apparent power is 3680 VA for the UK.

4) Max. AC apparent power is 4999 VA for Australia, 5000 VA for Belgium and 4600 VA for Germany and South Africa.

5) Maximum output current is 16 A for England.

6) Maximum output current is 21.7 A for Australia and 20 A for Germany and South Africa.

7) For BluE-G 8000D: EN/IEC 62109-1/2 ; IEC/EN 61000-6-2; IEC/EN 61000-6-4; IEC 61683; IEC 60068; IEC 60529; IEC 62116; IEC 61727; INMETRO.

8) Minimum voltage for inverter to start power output.